

Recovery Plan Action Status

Plan Name: Recovery Plan for Vernal Pool Ecosystems of California and Southern Oregon

Plan Status: Final

Plan Date: 15-Dec-05

Lead Agency: USFWS

Lead Office: Sacramento Fish And Wildlife Office
(916) 414-6600)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	1	4.1.3.3.1	Implement research on dispersal mechanisms of listed fairy shrimp and vernal pool tadpole shrimp.	Not Started			Contractor	Research: Migration	Graduate Student	
Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Fleshy owl's-clover (<i>Castilleja campestris</i> ssp. <i>succulenta</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	1	1.3.13	Conduct standardized vernal pool habitat site assessments for Southeastern Sacramento Valley vernal pool region	Partially Complete	FY 2011		To be decided	Research: Habitat Status	Contract	Cost estimate for 37,621 hectares (92,960 acres). Project to map and quantify occupied habitat of 3 shrimp and one plant species in core areas in Sacramento and Placer Counties has been funded by CVPHRP.
Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Fleshy owl's-clover (<i>Castilleja campestris</i> ssp. <i>succulenta</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	1	1.3.14	Conduct standardized vernal pool habitat site assessments for Southern Sierra Foothills vernal pool region	Partially Complete	FY 2011		To be decided	Research: Habitat Status	Contract	Cost estimate for 190,970 hectares (471,886 acres). Project to map and quantify occupied habitat of 3 shrimp and one plant species in core areas in Merced County has been funded by CVPHRP.

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Delta green ground beetle (<i>Elaphrus viridis</i>), Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>), Hoover's spurge (<i>Chamaesyce hooveri</i>), Colusa grass (<i>Neostapfia colusana</i>), Hairy Orcutt grass (<i>Orcuttia pilosa</i>), Longhorn fairy shrimp (<i>Branchinecta longiantenna</i>), Fleshy owl's-clover (<i>Castilleja campestris</i> ssp. <i>succulenta</i>), Slender Orcutt grass (<i>Orcuttia tenuis</i>), Sacramento Orcutt grass (<i>Orcuttia viscosa</i>), Conservancy fairy shrimp (<i>Branchinecta conservatio</i>), Contra Costa goldfields (<i>Lasthenia conjugens</i>), Loch Lomond coyote thistle (<i>Eryngium constancei</i>), Butte County meadowfoam (<i>Limnanthes floccosa</i> ssp. <i>californica</i>), Lake County stonecrop (<i>Parvisedum leiocarpum</i>), Solano grass (<i>Tuctoria mucronata</i>), Few-flowered navarretia (<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i>)), San Joaquin Orcutt grass (<i>Orcuttia inaequalis</i>), Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>), Many-flowered navarretia	1	3.2.2	Conduct standardized status surveys within each vernal pool region, starting with core areas.	Partially Complete	FY 2008	FY 2012	To be decided	Other	Contract, Species Expert	See 1.3.1-1.3.16 above. Species expert has been funded through CVPHRP to conduct plant surveys in Sacramento and San Joaquin Valleys. Final report will be submitted to FWS in 2012.

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